Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/02/2017 12:20 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122711	-2	2.83	122586	2.83
Blue	F	SSC	125000	122759	-2	3.24	123056	3.10
Blue	E	FITC	21625	20926	-4	2.59	930	9.73
Blue	D	PE	26832	26402	-2	2.19	946	9.36
Blue	B	PerCP-Cy5-5	48027	46879	-3	3.42	1343	16.12
Blue	A	PE-Cy7	40971	40298	-2	5.10	626	34.24
Red	C	APC	49746	48923	-2	2.86	2820	9.52
Red	A	APC-Cy7	53615	52596	-2	2.91	1093	11.26
Violet	B	V450	14488	13709	-6	5.00	659	9.45
Violet	A	V500	55123	53198	-4	4.84	2361	7.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16941	14.56	598	0	N/A	N/A	Pass
Blue	F	SSC	60732	1.70	530	-4	N/A	N/A	Pass
Blue	E	FITC	104	37.53	532	-4	0.0237	184	Pass
Blue	D	PE	208	27.39	528	-3	0.1776	228	Pass
Blue	B	PerCP-Cy5-5	212	43.55	623	-6	0.0114	141	Pass
Blue	A	PE-Cy7	70	111.89	674	-7	0.0127	13	Pass
Red	C	APC	327	27.67	589	-5	0.0201	53	Pass
Red	A	APC-Cy7	119	39.92	573	-7	0.0055	1460	Pass
Violet	B	V450	79	41.27	466	-5	0.0453	1680	Pass
Violet	A	V500	172	21.99	492	-4	0.0148	241	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/02/2017 12:20 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.03	-30.77	0.82
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	16.32	13.27 - 19.91	N/A	N/A	31.30	31.54	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9869

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments